

Title (en)

IMPROVED INFLATABLE PACKERS

Title (de)

VERBESSERTE AUFBLASBARE PACKER

Title (fr)

GARNITURES D'ETANCHEITE GONFLABLES AMELIOREES

Publication

**EP 1866517 A1 20071219 (EN)**

Application

**EP 06727763 A 20060328**

Priority

- IB 2006050946 W 20060328
- US 9339005 A 20050330

Abstract (en)

[origin: WO2006103630A1] Improved inflatable packers are provided. A packer may be constructed from hybrid structures including slat structures and weave structures. A packer may include a bladder and a cover, with a plurality of slats disposed therebetween, and/or a weave structure or anti-extrusion layer disposed therebetween. The slats may vary in width and thickness, and be provided with a plurality of reinforcement members. The reinforcement members may be longitudinally and/or transversely disposed in the slats. One or more of the various components of the packer preferably include a fiber, a wire, a cable, a nanofiber, a nanotube, and/or a nanoparticle modified elastomer. Anchors may be attached to or embedded in the outer cover. The packer may include a carcass having an end coupling including a plurality of slats. Improved packer cups are also disclosed, and preferably include a body member reinforced with a nanotube or similar material.

IPC 8 full level

**E21B 33/127** (2006.01)

CPC (source: EP US)

**E21B 33/1216** (2013.01 - EP US); **E21B 33/1277** (2013.01 - EP US)

Citation (search report)

See references of WO 2006103630A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2006103630 A1 20061005; WO 2006103630 A8 20081023**; CA 2601718 A1 20061005; CN 101171400 A 20080430; EA 012170 B1 20090828; EA 200702113 A1 20080228; EP 1866517 A1 20071219; MX 2007011825 A 20071122; US 2006219400 A1 20061005; US 7331581 B2 20080219

DOCDB simple family (application)

**IB 2006050946 W 20060328**; CA 2601718 A 20060328; CN 200680015920 A 20060328; EA 200702113 A 20060328; EP 06727763 A 20060328; MX 2007011825 A 20060328; US 9339005 A 20050330